

Central Valley Floodplain Evaluation and Delineation Program

FloodSAFE VISION

A sustainable integrated flood management and emergency response system throughout California that improves public safety, protects and enhances environmental and cultural resources, and supports economic growth by reducing the probability of destructive floods, promoting beneficial floodplain processes, and lowering the damages caused by flooding.



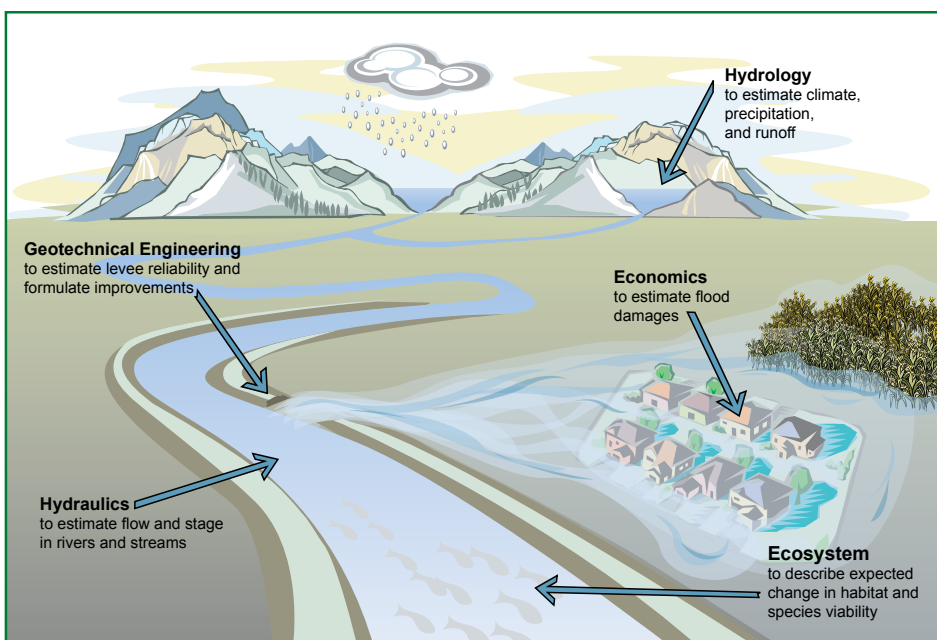
The Department of Water Resources (DWR) is leading a multifaceted initiative called FloodSAFE California to improve integrated flood management throughout California, with an extra emphasis on better managing flood risk related to the State-federal flood protection system in the Central Valley. DWR's FloodSAFE Implementation Phase I is funded by Propositions 1E and 84 passed by voters in November 2006.

In October 2007, Governor Schwarzenegger signed into law six comprehensive flood and land use management bills. The mandates and timelines set forth in the legislative package¹ helped to shape the FloodSAFE Initiative. One very important component of the recent legislation is the preparation of the Central Valley Flood Protection Plan, which will identify and recommend actions to improve integrated flood management throughout much of the Sacramento and San Joaquin watersheds.

THE CENTRAL VALLEY FLOODPLAIN EVALUATION AND DELINEATION PROGRAM

The Central Valley Floodplain Evaluation and Delineation (CVFED) Program is one of several programs within the FloodSAFE Initiative. The CVFED Program has multiple goals, including improving the quality and accuracy of flood hazard data and mapping available to local communities.

The program is developing new topographic data and updating hydrologic and hydraulic data and models, which will be used to better understand the risk of flooding in the Central Valley and to support evaluation and design of potential actions and projects to help manage the risk. The figure below illustrates some of the key technical factors that must be considered to understand risks within the flood management system and explore how changes to the system may affect those risks.



PRINCIPAL OBJECTIVES IDENTIFIED FOR THE CVFED PROGRAM ARE:

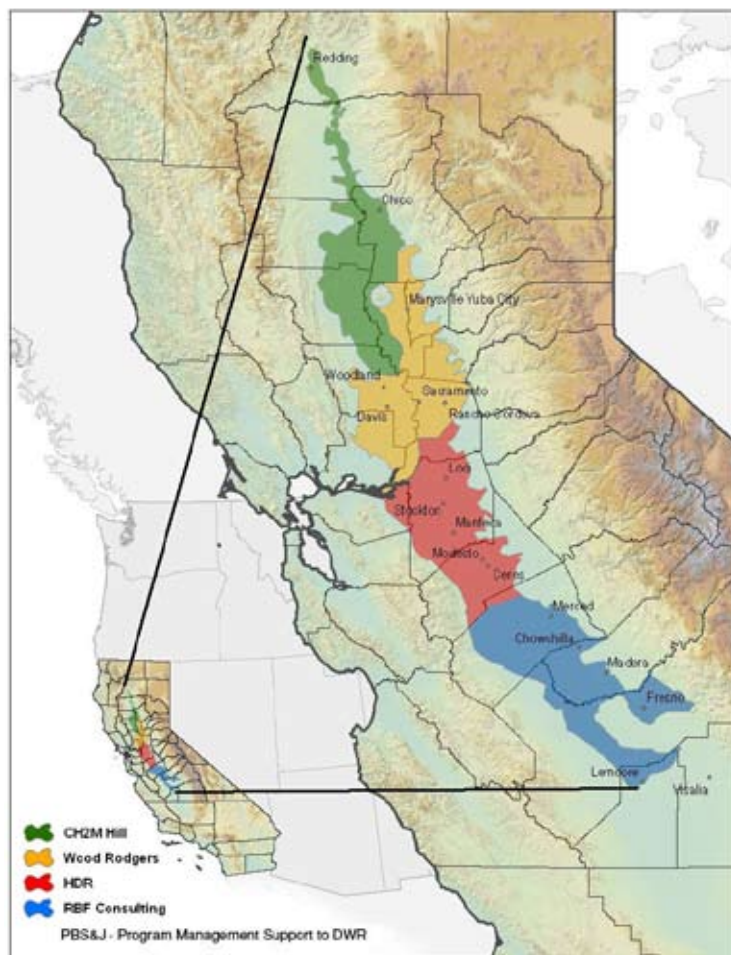
- Support risk identification and notification
- Provide hydrology and hydraulics support for preparation of the Central Valley Flood Protection Plan and associated feasibility studies
- Prepare floodplain delineation maps to support informed land use planning
- Provide information to support project design

¹ Senate Bills 5 and 17; Assembly Bills 5, 70, 156, and 162; and Proposition 1E and 84 added Sections to the Government Code, Health and Safety Code, Public Resources Code, and Water Code.

CVFED PROGRAM DELIVERABLES

To assist DWR in fulfilling the legislative mandates, the CVFED Program will develop new physical data, analytical tools, and work products, including the following:

- Detailed aerial photographs and topographic data for a major portion of the Central Valley
- Detailed topographic data for the majority of Central Valley levees
- Bathymetric surveys and surveys of bridges and structures for major rivers and tributaries in the Central Valley
- Updated and new hydrologic and hydraulic models for major rivers and tributaries in the Central Valley
- New maps delineating the 100-, 200-, and 500-year floodplains for areas receiving protection from the State-federal flood protection system in the Central Valley
- New maps delineating Levee Flood Protection Zones (areas that receive protection from the State-federal flood protection system in the Central Valley)



Performance and management of CVFED work in the Central Valley has been divided into four geographic areas.

HOW DOES THE CVFED PROGRAM SUPPORT CENTRAL VALLEY COMMUNITIES?

CVFED Program work products and the process for performing work can benefit Central Valley communities in various ways:

- Updated technical information about flood risks can help local communities comply with recent legislated mandates.
- Detailed topographic data for many Central Valley communities will be available for use by local governments.
- Updated hydrologic and hydraulic models acceptable to DWR and the Corps will be available for use by local governments for local planning.
- More detailed and current flood risk information will be available to inform local land use plans and flood emergency preparedness plans.

GET ADDITIONAL INFORMATION ON THE CVFED PROGRAM

For additional information, please visit www.water.ca.gov/cvfmp or email cvfmp@water.ca.gov